

Remarks

The present invention relates to a speaker system in which an improved low frequency response can be achieved without the use of damping. This effect is achieved using at least two loudspeakers, each of which is coupled with a corresponding loudspeaker enclosure. The dimensions of the loudspeaker enclosures are such that the anti-resonance of one enclosure is compensated for by the resonance of another. In this manner, it is possible to provide a system in which the combined frequency response, when evaluated at a listening position, is enhanced at low frequencies.

Claim 1 is amended to emphasize that the claimed system comprises at least two loudspeakers, coupled with separate respective enclosures. Thus, the amended claim excludes systems in which a single loudspeaker is coupled with multiple enclosures, such as that disclosed in JP 4-072899 A, and systems in which a single loudspeaker is provided with an enclosure of adjustable size, as in US 5,729,605. Neither JP 472899 A nor US 5,729,605 discloses the use of a plurality of loudspeakers, each loudspeaker having a corresponding enclosures, wherein the enclosures are configured such that the frequency response at an ear reference point is substantially flat.

In claim 3, the reference to a loudspeaker is deleted. This feature is now specified in independent claim 1. Claim 4 has also been amended to provide that the rear cover of claim 3 includes a bass-reflex port